

Title (en)  
DISPLAY DEVICE AND SYSTEM COMPRISING SAME

Title (de)  
ANZEIGEVORRICHTUNG UND SYSTEM DAMIT

Title (fr)  
DISPOSITIF D'AFFICHAGE ET SYSTÈME LE COMPRENANT

Publication  
**EP 4012463 A4 20221019 (EN)**

Application  
**EP 20863106 A 20200907**

Priority  
• RU 2019128260 A 20190909  
• KR 20200034048 A 20200319  
• KR 2020012040 W 20200907

Abstract (en)  
[origin: EP4012463A1] A display device is provided. The display device includes at least one virtual object image source, at least one display device for displaying a virtual object image, and at least one variable lens. The at least one variable lens includes at least two variable optical cells.

IPC 8 full level  
**G02B 3/14** (2006.01); **G02B 6/10** (2006.01); **G02B 30/22** (2020.01)

CPC (source: EP US)  
**G02B 3/14** (2013.01 - EP); **G02B 27/0101** (2013.01 - US); **G02C 7/083** (2013.01 - US); **G02F 1/294** (2021.01 - EP US); **G02B 6/0011** (2013.01 - EP); **G02B 27/0172** (2013.01 - EP); **G02B 30/22** (2020.01 - EP); **G02C 7/083** (2013.01 - EP); **G02C 2202/16** (2013.01 - EP US); **G02F 2201/122** (2013.01 - US); **G06F 1/163** (2013.01 - US)

Citation (search report)  
• [Y] US 2018284464 A1 20181004 - LU LU [US], et al  
• [Y] US 2014347619 A1 20141127 - WADA MASANORI [JP], et al  
• [A] US 2015234187 A1 20150820 - LEE VINCENT [US]  
• [XP] PISKUNOV DMITRY E ET AL: "Tunable lens for AR headset", SPIE PROCEEDINGS; [PROCEEDINGS OF SPIE ISSN 0277-786X], SPIE, US, vol. 11350, 30 March 2020 (2020-03-30), pages 113500F - 113500F, XP060130968, ISBN: 978-1-5106-3673-6, DOI: 10.1117/12.2565635  
• See references of WO 2021049831A1

Designated contracting state (EPC)  
AL AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HR HU IE IS IT LI LT LU LV MC MK MT NL NO PL PT RO RS SE SI SK SM TR

Designated extension state (EPC)  
BA ME

DOCDB simple family (publication)  
**EP 4012463 A1 20220615; EP 4012463 A4 20221019; US 2022171215 A1 20220602; WO 2021049831 A1 20210318**

DOCDB simple family (application)  
**EP 20863106 A 20200907; KR 2020012040 W 20200907; US 202217677266 A 20220222**